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## **CURRICULUM VITAE of Masako Shinjoh**

As of August 28, 2002

**Scientist**

Department of Applied Microbiology

Nippon Roche K.K.

Nippon Roche Research Center

200 Kajiwara Kamakura, Japan

247-8530.

Phone: +81-467-47-2226

FAX: +81-467-45-6812

E-mail: masako.shinjoh@roche.com

### **Education & Research Experience:**

1a. Scientist (April 1979 to date) at Dept of Applied Microbiology, Nippon Roche K.K., Nippon Roche Research Center at Kamakura, Japan, which belongs to Vitamin and Fine Chemical Division in Hoffmann-La Roche

This work includes improvement of microorganisms producing vitamin or its precursor by conventional method and genetic engineering.

1b. Visiting scientist (Jan. to March 1982) at Research Institute of Molecular Biology at Nutley, NJ, USA, which belonged to Hoffmann-La Roche. Objectives: to exchange scientific information and technical transfer of genetic engineering skills.

2. Ph.D. (Jan. 12, 1996)

Ph.D. in Engineering from Department of Fermentation Technology, Osaka University, Osaka, Japan.

The title of the Thesis is "Metabolic engineering for 2-keto-L-gulonic acid production in

*Gluconobacter*".

3. Master Degree (April 1977 to March 1979)

Master in Engineering from Department of Fermentation Technology, Osaka University, Osaka, Japan.

The projects involved were

"Characterization of bacteriophage of bacitracin-producing *Bacillus*"

"Application of plasmid on fermentation production: factors responsible for stabilization of hybrid plasmids carrying tryptophan operon in *E. coli*."

4. Bachelor Degree (April 1975 to March 1977)

Department of Fermentation Technology, Osaka University, Osaka, Japan.

The projects involved were

"In vitro synthesis of alpha-amylase of *Bacillus*"

5. Professional field

Microbiology

Fermentation technology

Genetic engineering

6. Memberships

a) The Society for Bioscience and Bioengineering

b) Japan Society for Bioscience, Biotechnology, and Agrochemistry

7. Personal information:

Female,

Japanese citizen,

Birthday: 20th February, 1955

## LIST OF PUBLICATIONS

### Original Papers by the Author

Shinjoh, M., Y. Setoguchi, T. Hoshino and A. Fujiwara. (1990)

L-Sorbose dissimilation in 2-keto-L-gulonic acid-producing mutant UV10 derived from *Gluconobacter melanogenus* IFO 3293. Agric. Biol. Chem. 54: 2257 - 2263.

Shinjoh, M., T. Sugisawa, S. Masuda, and T. Hoshino. (1994)

Efficient conversion of L-sorbose to 2-keto-L-gulonic acid by *Acetobacter liquefaciens* strains. J. Ferment. Bioeng. 78: 476 - 478.

Shinjoh, M., and T. Hoshino. (1995). Development of a stable shuttle vector and a

conjugative transfer system for *Gluconobacter oxydans*. J. Ferment. Bioeng. 79: 95 - 99.

Shinjoh, M., N. Tomiyama, A. Asakura, and T. Hoshino. (1995) Cloning and nucleotide sequencing of membrane-bound L-sorbose dehydrogenase gene of *Acetobacter liquefaciens* IFO 12258 and its expression in *Gluconobacter oxydans*. Appl. Environ. Microbiol. 43: 1064 - 1069.

Shinjoh, M., M. Tazoe, and T. Hoshino. (2002) NADPH-dependent L-sorbose reductase is responsible for L-sorbose assimilation in *Gluconobacter suboxydans* IFO 3291. J. of Bacteriol., 84: 861 - 863.

Miyazaki, T., N. Tomiyama, M. Shinjoh, and T. Hoshino. (2002) Molecular cloning and functional expression of D-sorbitol dehydrogenase from *Gluconobacter suboxydans* IFO3255 which requires PQQ and hydrophobic protein SldB for the activity development in *E.coli*. (2001) Biosci. Biotechnol. Biochem. 66: 262-270. (the corresponding author)

Shinjoh, M., N. Tomiyama, T. Miyazaki, and T. Hoshino. (2002) Main polyol dehydrogenase of *Gluconobacter suboxydans* IFO 3255, membrane-bound D-sorbitol dehydrogenase, that needs product of upstream gene, *sldB*, for activity. Biosci. Biotechnol. Biochem. (in press)

Other Publications on the work done at Hoffmann-La Roche

Sugisawa, T., T. Hoshino, S. Masuda, S. Nomura, Y. Setoguchi, M. Tazoe, M. Shinjoh, S. Someha and A. Fujiwara. (1990) Microbial production of 2-keto-L-gulonic acid from L-sorbose and D-sorbitol by *Gluconobacter oxydans*. Agric. Biol. Chem. 54: 1201 - 1209.

Hoshino, T., T. Sugisawa, M. Tazoe, M. Shinjoh and A. Fujiwara. (1990) Metabolic pathway for 2-keto-L-gulonic acid formation in *Gluconobacter oxydans* IFO 3293. Agric. Biol. Chem. 54: 1211 - 1218.

Shinjoh, M., (1990) Biotechnology of acetic acid bacteria. Su no kagaku, Asakura shoten. Tokyo. 157 - 170. (in Japanese)

Other Publications on the work done at Osaka Univ.

Imanaka, T., K. Uchida, M. Tateishi (Shinjoh), and S. Aiba. (1979)  
Inducible bacteriophage of *Bacillus licheniformis* ATCC 10716. Virology 95: 249 - 250.

Tsunekawa, H., M. Tateishi (Shinjoh), T. Imanaka, S. Aiba. (1981) TnA-directed deletion of the trp operon from RSF2124-trp in *Escherichia coli*.

Patent publication: USP granted including "M. Shinjoh" as the inventor

(as of Aug. 28, 2002)

PAT. NO.	Title
1 6,407,203	Cytochrome <i>c</i> and polynucleotides encoding cytochrome <i>c</i>
2 6,146,860	Manufacture of L-ascorbic acid and D-erythorbic acid
3 6,127,156	D-sorbitol dehydrogenase gene
4 6,037,147	Cytochrome <i>c</i> and polynucleotides encoding cytochrome <i>c</i>
5 5,541,108	<i>Gluconobacter oxydans</i> strains

- 6 5,399,496 DNA shuttle vectors for *E. coli*, *Gluconobacter*, and *Acetobacter*
- 7 5,352,599 Co-enzyme-independent L-sorbose dehydrogenase of *Gluconobacter oxydans*: isolation, characterization, and cloning and autologous expression of the gene

-----END of CV-----

# Memo

Declaration Sr. 1

Ex-7/2

1/5

+ 4 pages

Roche

To: Dr. Vera Weihs /  
Ms. Ina Franc Deutsche Sammlung von Mikroorganismen und  
Zellkulturen GmbH

Copies: Dr. Masako Shinjoh Department AM  
Research Center  
Nippon Roche K.K.

From: Ayano Makino-  
Matsubara Export/Import & Purchasing  
Technical Division  
Nippon Roche K.K.  
6-1, Shiba 2-chome,  
Minato-ku, Tokyo 105-8532  
Japan  
Tel. +81 3 5443 7047  
Fax +81 3 5443 7120

Date: June 6, 2000

Re: Our Order for DSM4025 / Official Order Sheet (Originals)

Dear Dr. Weihs and Mrs. Franc,

Attached please find the original sheets of our order sheet and your Form DSMZ-BP/13 (sole page) as you requested.

Best regards,

  
Ayano Makino-Matsubara

10/20



# TELECOPIER COVERSHEET

De Sm/

EX-2 2/5

	<u>Sender</u>	<u>Addressee</u>
Company	Nippon Roche K.K.	DSMZ
City	Tokyo	Braunschweig
Surname	Oshida	Dr. Weihs / Ms. Franc
First Name	Isao	Vera / Ina
Department	Import / Export & Purchasing	
Building		
Room No.		
Telephone No.	+81 3 5443 7047	+49 531 26 16 319
Telefax No.	+81 3 5443 7120	+49 531 2616 444

No. of pages of the document including this page 4

Tokyo, June 6, 2000

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## Re: Our Order for DSM4025 / Official Order Sheet

Dear Dr. Weihs and Mrs. Franc,

Referring to e-mail from Dr. Weihs, attached please find our official purchase order sheet together with your form DSMZ-BP/13 (sole page). Original will be delivered under separate cover.

As for Shipment, would you be so kind to deliver the goods directly to...

Dr. Masako Shinjoh  
Department AM  
Research Center  
Nippon Roche K.K.  
200 Kajiwara  
Kamakura-shi  
Kanagawa Pref. 247-8530  
Japan

..1.2

11/70



BUDAPEST TREATY ON THE INTERNATIONAL  
RECOGNITION OF THE DEPOSIT OF MICROORGANISMS  
FOR THE PURPOSES OF PATENT PROCEDURE

To be completed  
in duplicate

REQUEST  
FOR THE FURNISHING OF SAMPLES  
OF DEPOSITED MICROORGANISMS  
pursuant to Rule 11.3 (b)

TO  
DSMZ-DEUTSCHE SAMMLUNG VON  
MIKROORGANISMEN UND ZELLKULTUREN GmbH  
Mascheroder Weg 1B  
38124 Braunschweig  
Germany

DC Sm1

Ex-2 3/5

THE UNDERSIGNED HEREBY REQUESTS THE FURNISHING OF A SAMPLE OF THE MICROORGANISM IDENTIFIED HEREUNDER, IN  
ACCORDANCE WITH RULE 11.3 (b) OF THE REGULATIONS UNDER THE BUDAPEST TREATY

I. IDENTIFICATION OF THE MICROORGANISM

Accession number of the deposit: DSM 4025

Name of the depositor<sup>1</sup>: Institute of Microbiology Academia Sinica, Beijing (China)  
Yin, Guanglin et al.

Identification reference given by the depositor<sup>1</sup>

Taxonomic designation, if any, proposed by the depositor<sup>1</sup>:

II. REQUEST FOR INFORMATION

The undersigned

( )<sup>2</sup> request

( )<sup>3</sup> does not request

an indication of the conditions which the international depositary authority employs for the cultivation and storage of the microorganism

III. REQUESTING PARTY

Name: Nippon Roche Research Center Signature<sup>3</sup>: Tatsuo Hoshino

Address: 200 Kajiwara, Kamakura  
Kanagawa 247-8530 Japan

Date: May 30, 2000

<sup>1</sup> To be indicated if known to the requesting party.

<sup>2</sup> Mark with a cross the applicable box.

<sup>3</sup> Where the signature is required on behalf of a legal entity, the typewritten name(s) of the natural person(s) signing on behalf of the legal entity should accompany the signature(s).

# NIPPON ROCHE K. K.

Nippon Roche Building, 6-1, Shiba 2-Chome, Minato-ku, Tokyo, 105, Japan

To: DSMZ GmbH

Order information / Sales Dept.

Mrs. Franc / Mrs. Melenk

Telephone : +49 531 2616 319

Fax : +49 531 2616 444

PURCHASE ORDER No. : 4500018356

Date : 06.06.2000

Purchase Dept. : Pharma Import Tokyo  
Contact Person :

Terms of Payment : Within 30 Days After Date of Invoice

Telephone : +81354437047

Fax : +81 3 5443 7120

Incoterms : E-mail Address :

LINE	ITEM NUMBER ITEM DESCRIPTION COUNTRY OF ORIGIN	QUANTITY	UNIT OF MEASURE	CURRENCY UNIT PRICE	NET VALUE	E. T. A.
00010	4025 Gluconobacter oxydans * Referring to your price confirmation of 6 June 2000 by Dr. Weihs's * e-mail. Requested by Dr. M. Shinjoh, AM, NRRC.	1	Each	DEM 180.00 /1Each	180.00	30.06.2000
00020	Handling Fee * Referring to your price confirmation of 6 June 2000 by Dr. Weihs's * e-mail. Requested by Dr. M. Shinjoh, AM, NRRC.	1	Each	DEM 40.00 /1Each	40.00	30.06.2000
TOTAL AMOUNT OF THE ORDER					DEM 220.00	

We are placing purchase orders with you as above.  
Please return your order confirmation immediately by telefax, duly signed.

Receipt :

*M. R. S. T.*

For NIPPON ROCHE K. K.  
Page : 1 of 1

Dr. Siml Ey-2 4/5

06/13

*Dc sm1 EX-2 5/5*

Would you please inform us of shipping details when available.

Thank you in advance for your cooperation.

Best regards,



Attach: 1) Our official order sheet (order no. 4500018356)  
2) Form DSMZ-BP/13 (sole page)

1 page

1 page

/amm

*14/70*

## PURCHASE REQUEST

Sheet No. 191992

※印は固定資産のみ記入	A 新規		依頼部 サイン欄	Requested	Checked	Approved
	B 再発注 前回注文No.			M. Shing'oh	OK	OK
	C 変更 4500017532					
	依頼No.:					
子定発注先: DSM2			依頼日	DD 04 / MM 06 / YY 2000		
納入先:			依頼部門コード			
Credit No.:			依頼部門名	NAREITM		
T: K:			担当者名(内線)	M. Shing'oh (2116)		
SK No. (資産区分)			Fixed Asset Class (固定資産品目分類)			
S: K: 8:						
Theme No.			C/C Code	A/C Code		
Description II			希望納期 DD / MM / YY			
Group/Inventory No.			起票課コード(袋井)			
品 名			単価(概算)	数 量	金額(概算)	
Description I:						
- Gluconobacter oxydans			180 DM	1		
DSM 4025			+			
- Handling Fee			40 DM	1		
			(合計金額 ¥)			
備考						依頼者受領印
購買部 門記 入 欄	Received on	/ /	Remarks			Applied
	Ordered on	/ /				
	Sup. Code					
	Sup. Name					
	Order No.	G				Checked
	U. Price	@				
	Quantity					Approved
Amount	¥					
Deliv. Date	/ /					

Declaration SM1

Ex-3

15/70

BUDAPEST TREATY ON THE INTERNATIONAL  
RECOGNITION OF THE DEPOSIT OF MICROORGANISMS  
FOR THE PURPOSES OF PATENT PROCEDURE

010404

To be completed  
in duplicate

REQUEST  
FOR THE FURNISHING OF SAMPLES  
OF DEPOSITED MICROORGANISMS

pursuant to Rule 11.3 (b)

TO  
DSMZ-DEUTSCHE SAMMLUNG VON  
MIKROORGANISMEN UND ZELLKULTUREN GmbH  
Mascheroder Weg 1B  
38124 Braunschweig  
Germany

Declaration SM 1  
Ex-4

THE UNDERSIGNED HEREBY REQUESTS THE FURNISHING OF A SAMPLE OF THE MICROORGANISM IDENTIFIED HEREUNDER, IN  
ACCORDANCE WITH RULE 11.3 (b) OF THE REGULATIONS UNDER THE BUDAPEST TREATY

I. IDENTIFICATION OF THE MICROORGANISM

Accession number of the deposit: DSM 4025

Name of the depositor<sup>1</sup>: Institute of Microbiology Academia Sinica, Beijing (China)  
Yin, Guanglin et al.

Identification reference given by the depositor<sup>1</sup>

Taxonomic designation, if any, proposed by the depositor<sup>1</sup>

II. REQUEST FOR INFORMATION

The undersigned

(X)<sup>2</sup> request

( )<sup>2</sup> does not request

an indication of the conditions which the international depositary authority employs for the cultivation and storage of the microorganism

III. REQUESTING PARTY

Name: Nippon Roche Research Center Signature<sup>3</sup>: Tatsuo Hoshino

Address: 200 Kajiwara, Kamakura  
Kanagawa 247-8530 Japan

Date: May 30, 2000

<sup>1</sup> To be indicated if known to the requesting party.  
<sup>2</sup> Mark with a cross the applicable box.

<sup>3</sup> Where the signature is required on behalf of a legal entity, the typewritten name(s) of the natural person(s) signing on behalf of the legal entity should accompany the signature(s).

16/70



## TELECOPIER COVERSHEET

	<u>Sender</u>	<u>Addressee</u>
Company	Nippon Roche K.K.	DSMZ
City	Tokyo	Braunschweig
Surname	Oshida	Dr. Weihs / Ms. Franc
First Name	Isao	Vera / Ina
Department	Import / Export & Purchasing	
Building		
Room No.		
Telephone No.	+81 3 5443 7047	+49 531 26 16 319
Telefax No.	+81 3 5443 7120	+49 531 2616 444

No. of pages of the document including this page 4

Tokyo, June 6, 2000

---

### Re: Our Order for DSM4025 / Official Order Sheet

Dear Dr. Weihs and Mrs. Franc,

Referring to e-mail from Dr. Weihs, attached please find our official purchase order sheet together with your form DSMZ-BP/13 (sole page). Original will be delivered under separate cover.

As for Shipment, would you be so kind to deliver the goods directly to...

Dr. Masako Shinjoh  
Department AM  
Research Center  
Nippon Roche K.K.  
200 Kajiwara  
Kamakura-shi  
Kanagawa Pref. 247-8530  
Japan

Dec: SM1  
EX-5 (+P224) 1/4

..1.2

17/70

Would you please inform us of shipping details when available.

Thank you in advance for your cooperation.

Best regards,



Attach: 1) Our official order sheet (order no. 4500018356)  
2) Form DSMZ-BP/13 (sole page)

1 page

1 page

/amm

Dec SM1  
Ex-5 2/4

12/70

# NIPPON ROCHE K. K.

Nippon Roche Building, 6-1, Shiba 2-Chome, Minato-ku, Tokyo, 105, Japan

To: DSMZ GmbH

Order information / Sales Dept.

Mrs. Franc / Mrs. Melenk

Telephone : +49 531 2616 319

Fax : +49 531 2616 444

Terms of Payment : Within 30 Days After Date of Invoice

Incoterms :

## PURCHASE ORDER

No. : 4500018356

Date : 06.06.2000

Purchase Dept. : Pharma Import Tokyo

Contact Person :

Telephone : +81354437047

Fax : +81 3 5443 7120

E-mail Address :

Dec SM/  
EX-5 3/4

LINE	ITEM NUMBER ITEM DESCRIPTION COUNTRY OF ORIGIN	QUANTITY	UNIT OF MEASURE	CURRENCY UNIT PRICE	NET VALUE	E. T. A.
00010	4025 Gluconobacter oxydans * Referring to your price confirmation of 6 June 2000 by Dr. Weihs's * e-mail. Requested by Dr. M. Shinjoh, AM, NRRC.	1	Each	DEM 180.00 /1Each	180.00	30.06.2000
00020	Handling Fee * Referring to your price confirmation of 6 June 2000 by Dr. Weihs's * e-mail. Requested by Dr. M. Shinjoh, AM, NRRC.	1	Each	DEM 40.00 /1Each	40.00	30.06.2000
TOTAL AMOUNT OF THE ORDER					DEM 220.00	

We are placing purchase orders with you as above.  
Please return your order confirmation immediately by telefax, duly signed.

Receipt :



For NIPPON ROCHE K. K.

Page : 1 of 1

19/20



BUDAPEST TREATY ON THE INTERNATIONAL  
RECOGNITION OF THE DEPOSIT OF MICROORGANISMS  
FOR THE PURPOSES OF PATENT PROCEDURE

To be completed  
in duplicate

Dec sm1  
EX-5 4/4

REQUEST  
FOR THE FURNISHING OF SAMPLES  
OF DEPOSITED MICROORGANISMS  
pursuant to Rule 11.3 (b)

TO  
DSMZ-DEUTSCHE SAMMLUNG VON  
MIKROORGANISMEN UND ZELLKULTUREN GmbH  
Mascheroder Weg 1B  
38124 Braunschweig  
Germany

THE UNDERSIGNED HEREBY REQUESTS THE FURNISHING OF A SAMPLE OF THE MICROORGANISM IDENTIFIED HEREUNDER, IN  
ACCORDANCE WITH RULE 11.3 (b) OF THE REGULATIONS UNDER THE BUDAPEST TREATY

I. IDENTIFICATION OF THE MICROORGANISM

Accession number of the deposit: DSM 4025

Name of the depositor<sup>1</sup>: Institute of Microbiology Academia Sinica, Beijing (China)  
Yin, Guanglin et al.

Identification reference given by the depositor<sup>1</sup>

Taxonomic designation, if any, proposed by the depositor<sup>1</sup>:

II. REQUEST FOR INFORMATION

The undersigned

( )<sup>2</sup> request

( )<sup>2</sup> does not request

an indication of the conditions which the international depositary authority employs for the cultivation and storage of the microorganism

III. REQUESTING PARTY

Name: Nippon Roche Research Center Signature: Tatsuo Hoshino

Address: 200 Kajiwara, Kamakura  
Kanagawa 247-8530 Japan

Date: May 30, 2000

<sup>1</sup> To be indicated if known to the requesting party.

<sup>2</sup> Mark with a cross the applicable box.

<sup>3</sup> Where the signature is required on behalf of a legal entity, the typewritten name(s) of the natural person(s) signing on behalf of the legal entity should accompany the signature(s).



# DSMZ

Deutsche Sammlung von  
Mikroorganismen und  
Zellkulturen GmbH



Cust. No. 14301  
DSMZ · Mascheroder Weg 1b · D-38124 Braunschweig

Nippon Roche K.K.  
Research Center  
Department AM  
200 Kajiwara, Kamakura-shi  
Kanagawa Pref. 247-8530  
Japan

Cust. No. 14301  
Versandanschrift / Shipping address

Nippon Roche K.K.  
Research Center  
Department AM  
Dr. Masako Shinjoh  
200 Kajiwara, Kamakura-shi  
Kanagawa Pref. 247-8530  
Japan

## RECHNUNG NR. INVOICE NO.

2002963

Datum / Date 13.06.2000

Ihre Bestellung/Your order Ihre Anfrage/Your request 4500018356 of 6th June 2000					
Pos.	Menge Quantity	DSM-Nr. DSM-No.	Bezeichnung Description	Einzelpreis Unit Price	Nettopreis Net Price
1	1	4025	Release of a patent strain Gluconobacter oxydans	180.00	180.00
Customs Tariff no. 30 02 90 50					
Code: 004					
Netweight: 10 gr.					
<div>Declaration SM 1 Ex-6</div>					

Konten / Accounts:  
Landeszentralbank Braunschweig  
Konto-Nr. / Account: 27 007 326  
BLZ / Bank Code 270 000 00

NORD/LB  
Konto-Nr. / Account: 2 039 220  
BLZ / Bank Code: 250 500 00  
SWIFT NOLADE 2 H

Postbank Hannover  
Konto-Nr. / Account: 1060 79-304  
BLZ / Bank Code: 250 100 30

Erfüllungsort und Gerichtsstand  
ist Braunschweig.  
The place of jurisdiction and  
performance is Braunschweig.

Überweisungen an / Payment to  
DSMZ - Deutsche Sammlung von  
Mikroorganismen und Zellkulturen GmbH  
Mascheroder Weg 1b  
D-38124 Braunschweig - Germany

Versand / Sales: +49(0)531 - 26 16 - 319

Kreditkarten werden nicht akzeptiert.  
Credit cards cannot be accepted.

Bitte Rechnungsnummer angeben!  
Please indicate the invoice number!

Zahlbar in DEM oder Euro sofort ohne Abzug.  
Payable in DEM or Euro immediately after  
receipt of goods without further discount.

Zwischensumme / Subtotal 180.00

Bearbeitungsgebühr / Handling fee

Zwischensumme / Subtotal 180.00

+ % MwSt. / % VAT

Rechnungsbetrag / Invoice total 180.00  
DEM / RXXX

21/70



# DSMZ

Deutsche Sammlung von  
Mikroorganismen und  
Zellkulturen GmbH

Cust. No. 14301  
DSMZ · Mascheroder Weg 1b · D-38124 Braunschweig

Nippon Roche K.K.  
Research Center  
Department AM  
200 Kajiwara, Kamakura-shi  
Kanagawa Pref. 247-8530  
Japan

Cust. No. 14301  
Versandanschrift / Shipping address

Nippon Roche K.K.  
Research Center  
Department AM  
Dr. Masako Shinjoh  
200 Kajiwara, Kamakura-shi  
Kanagawa Pref. 247-8530  
Japan

**LIEFERSCHEIN NR.**  
**DELIVERY SLIP NO.** 2002963

Datum / Date 13.06.2000

Ihre Bestellung/Your order

4500018356 of 6th June 2000

Pos.	Menge Quantity	DSM-Nr. DSM-No.	Bezeichnung Description
1	1	4025	Release of a patent strain Gluconobacter oxydans
Customs Tariff no. 30 02 90 50			
Code: 004			
Netweight: 10 gr.			

Declaration SMJ  
Ex-7

#### Lieferbedingungen

Diese Lieferbedingungen gelten, soweit nicht zwischen der DSMZ und dem Besteller schriftlich anders vereinbart, für alle Lieferungen von Kulturen durch die DSMZ:

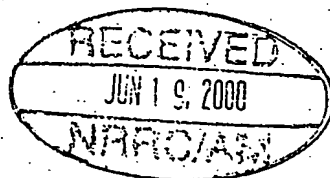
- Die DSMZ liefert lebensfähige und authentische Kulturen. Bei Mängeln, wie beschädigten Ampullen, kontaminierten oder nicht lebensfähigen Kulturen, ist die DSMZ unverzüglich zu unterrichten. Sind Reklamationen berechtigt, werden - soweit möglich - kostenlos Ersatzkulturen geliefert. Ist dies nicht möglich, wird der Kaufpreis erstattet. Weitere Ansprüche können nicht geltend gemacht werden.
- Die DSMZ haftet nicht für Schäden, die aus dem Bezug und dem Gebrauch gelieferter Kulturen entstehen. Insbesondere haftet die DSMZ nicht für Schäden, die durch unsachgemäße Behandlung der Kulturen entstehen. Ferner haftet die DSMZ nicht für mittelbar oder unmittelbar aus den Kulturen hergestellte Produkte oder Folgeschäden.

#### Conditions of delivery

These conditions of delivery apply to the supply of cultures from the DSMZ, unless other written agreements have been entered into between the DSMZ and the customer

- The DSMZ supplies viable and authentic cultures. Problems, such as, damaged vials, contaminated or non viable cultures should be reported immediately to the DSMZ. Should claims found to be justified, a replacement culture will be supplied whenever possible. Should this not be possible, the purchase price will be refunded. Not further claims can be accepted by the DSMZ.
- The DSMZ is not responsible for damage or injury which may arise resulting from the purchase and use of the cultures supplied. In particular, the DSMZ is not responsible for damage or injury resulting from the improper handling of the cultures. Furthermore, the DSMZ is not responsible for damage or injury caused by products resulting directly or indirectly from the cultures, or for any subsequent costs arising.

22/70



## II. CONDITIONS FOR CULTIVATION

Medium:

0.3% Yeast Extract

0.3% Beef Extract

0.3% Cornsteep Liquor

1.0% Peptone

0.1%  $\text{KH}_2\text{PO}_4$

0.02%  $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$

0.1% Urea

0.1%  $\text{CaCO}_3$

2.0% L-Sorbose

ad 1 l  $\text{H}_2\text{O}$  deionised

pH before sterilisation:

Sterilisation: 30 min at  $121^\circ\text{C}$

pH after sterilisation: 6.5

Oxygen-relationships:

☒ aerobic

☐ microaerophilic

☐ obligate anaerobic

Specific gaseous requirements: None

Incubation temperature:  $30^\circ\text{C}$

Incubation time: 20-40hr

Short term storage at:  $5^\circ\text{C}$

Interval of transfer: 4 weeks

Declaration SM/

Ex-8

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INTERNATIONAL FORM

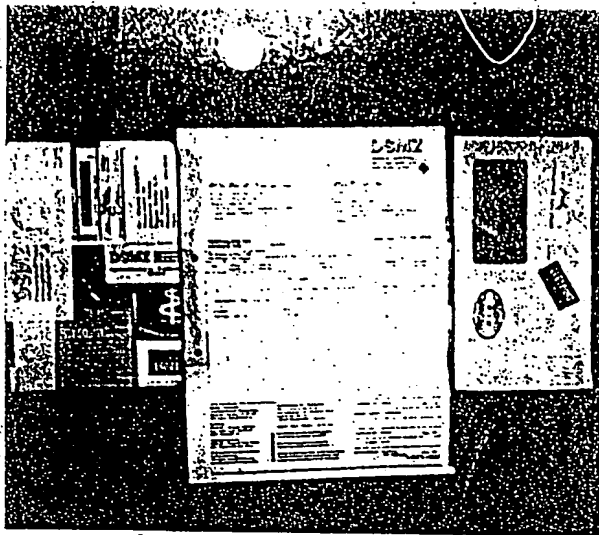


The Oriental Scientific Instruments  
Import and Export Corporation for  
Institute of Microbiology  
Academia Sinica  
52 San Li He Rd.  
Beijing  
People's Republic of China

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT  
issued pursuant to Rule 7.1 by the  
INTERNATIONAL DEPOSITARY AUTHORITY  
identified at the bottom of this page

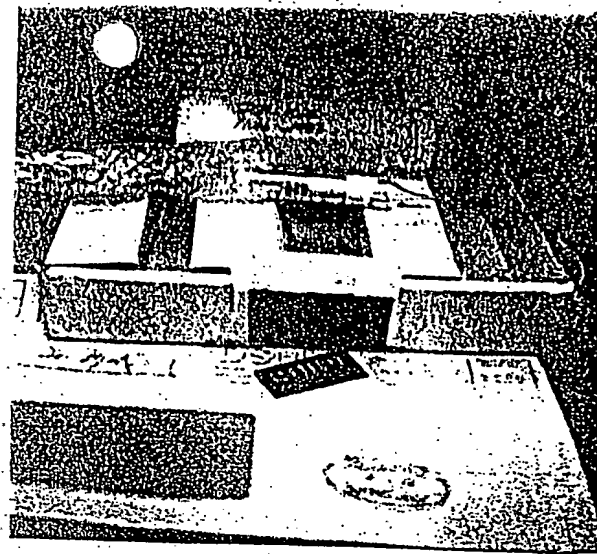
<b>I. IDENTIFICATION OF THE MICROORGANISM</b>	
Identification reference given by the DEPOSITOR:  CGMCC No. 0119	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY:  DSM 4025
<b>II. SCIENTIFIC DESCRIPTION AND/OR TAXONOMIC DESIGNATION</b>	
The microorganism identified under I. above was accompanied by:  ( ) a scientific description ( x ) a proposed taxonomic designation  (Mark with a cross where applicable)	
<b>III. RECEIPT AND ACCEPTANCE</b>	
This International Depositary Authority accepts the microorganism identified under I. above, which was received by it on March 17, 1987 (Date of original deposit) <sup>1</sup>	
<b>IV. INTERNATIONAL DEPOSITARY AUTHORITY</b>	
Name: DEUTSCHE SAMMLUNG VON MIKROORGANISMEN  Address: Grisebachstrasse 8 D-3400 Göttingen	Signature(s) of person(s) having the power to present the International Depositary Authority or of authorized official(s):  Date: March 25, 1987

<sup>1</sup> Where Rule 6.4(d) applies, such date is the date on which the status of international depositary authority was acquired, where a deposit made outside the Budapest Treaty after the acquisition of the status of international depositary authority is converted into a deposit under the Budapest Treaty, such date is the date on which the microorganism was received by the international depositary authority.



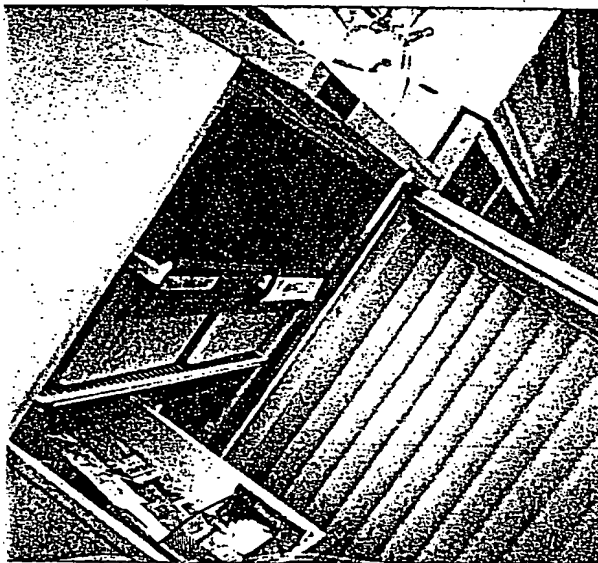
June 13, 2000 SM

DSM 1  
EX-10



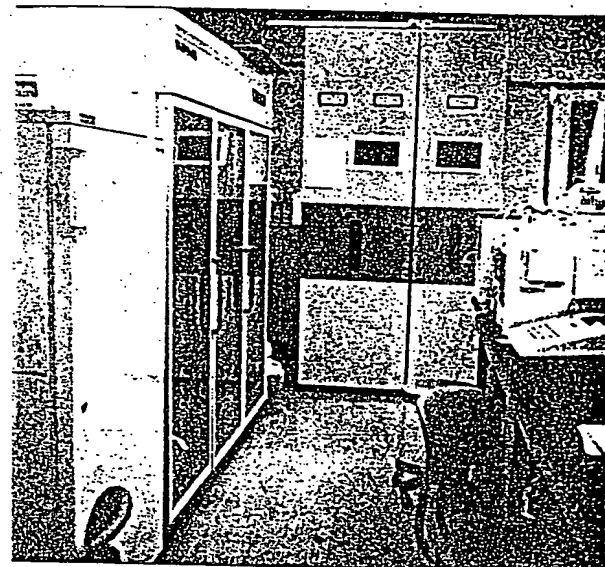
June 13, 2000 SM

DSM 1  
EX-11



000811  
DSM 4025 stock in refrigerator  
Bldg. 27/Rm 54X

EX-13 ↑



000811  
DSM 4025 stock in refrigerator  
Bldg. 27/Rm 54X

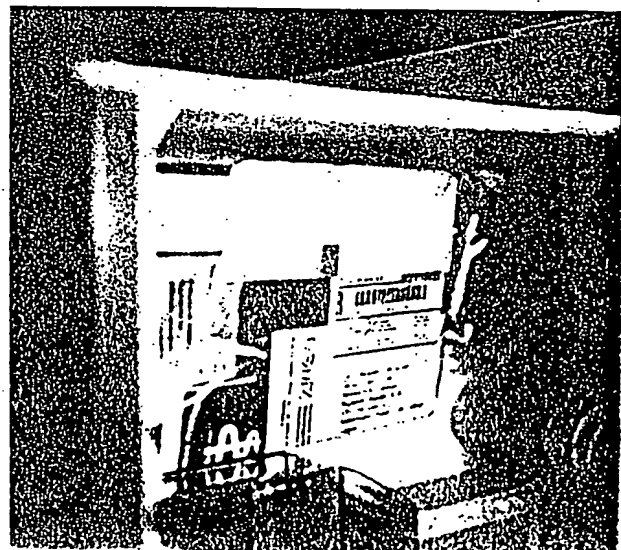
EX-14 →

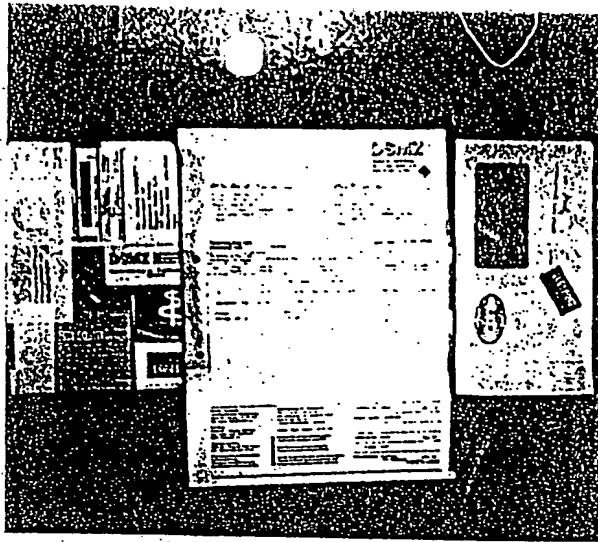
EX-12 →

000811  
DSM 4025 stock in refrigerator  
Bldg. 27/Rm 54X

Declaration SM 1  
EX 10 ~ 18

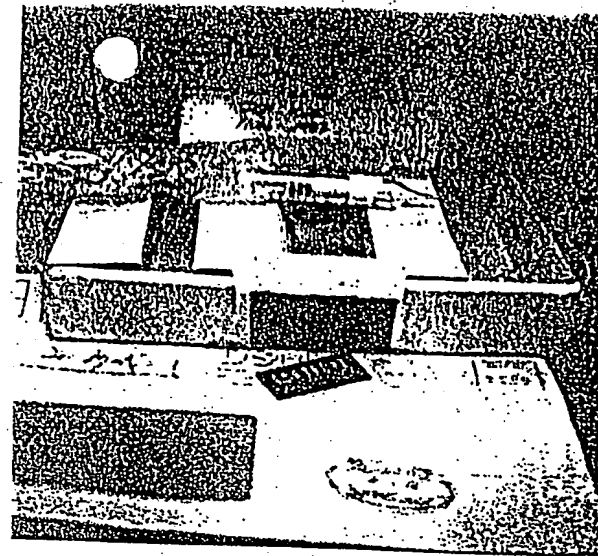
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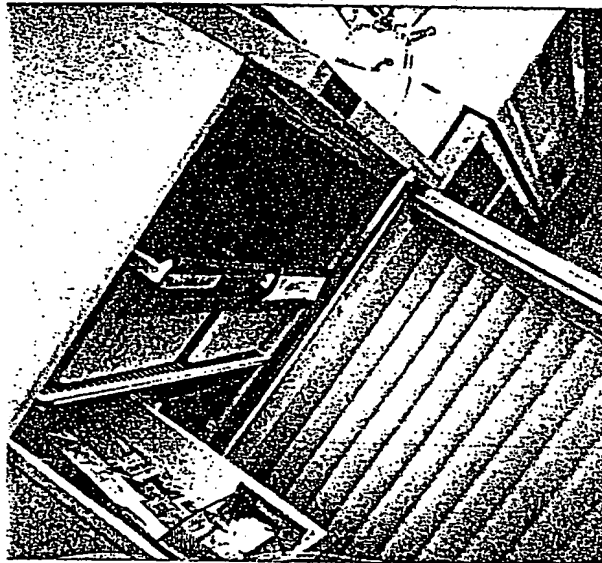
June 13, 2000 Sun

DSM1  
EX-10



June 13, 2000 Sun

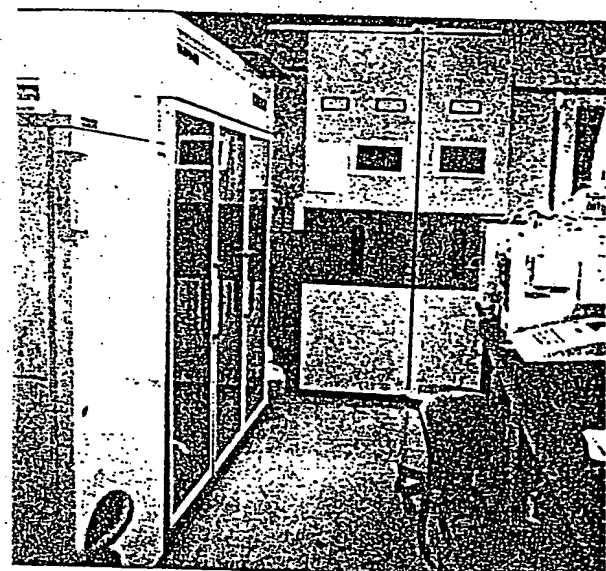
DSM1  
EX-11



000811  
DSM 4025 stock in refrigerator  
Bldg. 27/Rm 54X

EX-13 ↑

EX-14 →



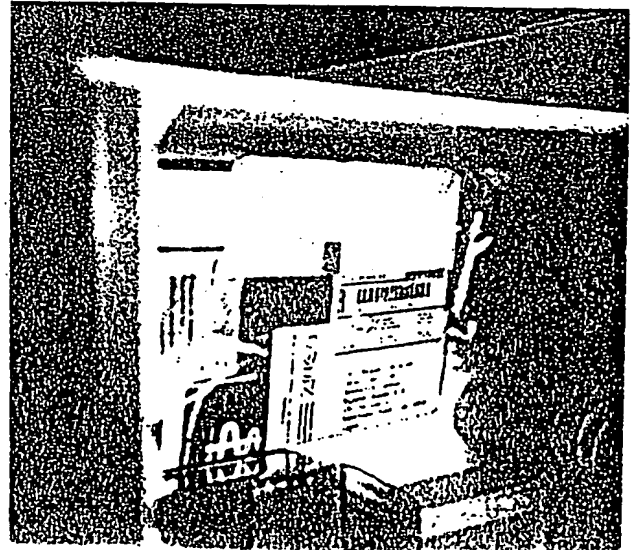
000811  
DSM 4025 stock in refrigerator  
Bldg. 27/Rm 54X

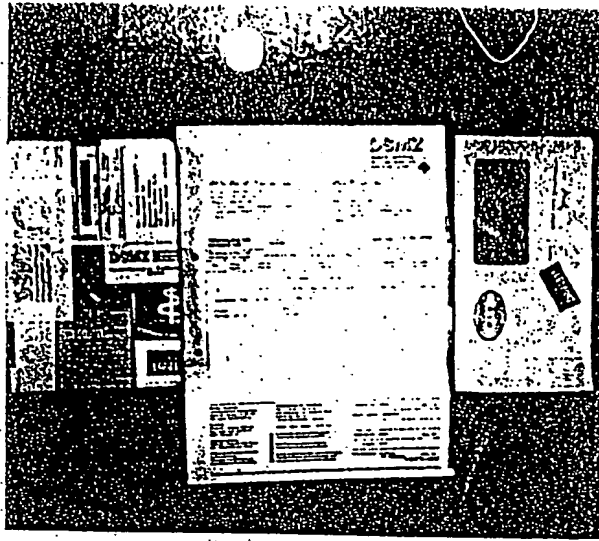
EX-12 →

000811  
DSM 4025 stock in refrigerator  
Bldg. 27/Rm 54X

Declaration SM1  
EX 10 ~ 18

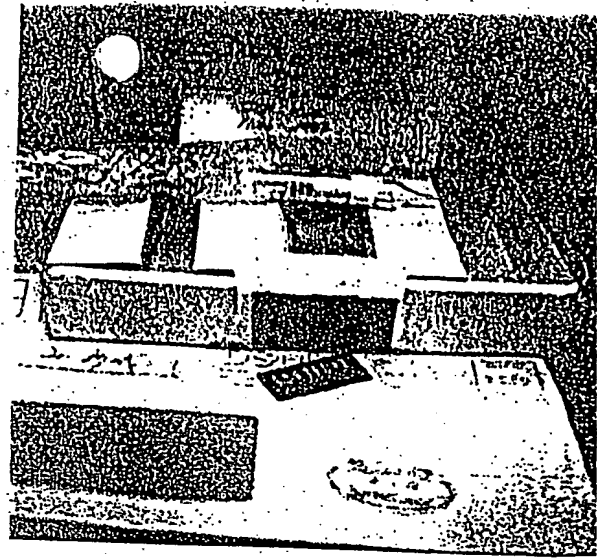
25/70





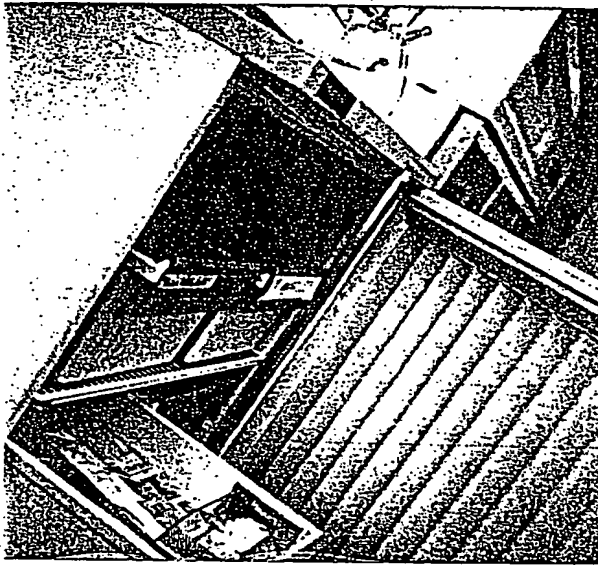
June 13, 2000 Su

DC SM 1  
EX-10



June 13, 2000 Su

DC SM 1  
EX-11



000811  
DSM 4025 stock in refrigerator  
Bldg. 27/Rm 54X

EX-13 ↑



000811  
DSM 4025 stock in refrigerator  
Bldg. 27/Rm 54X

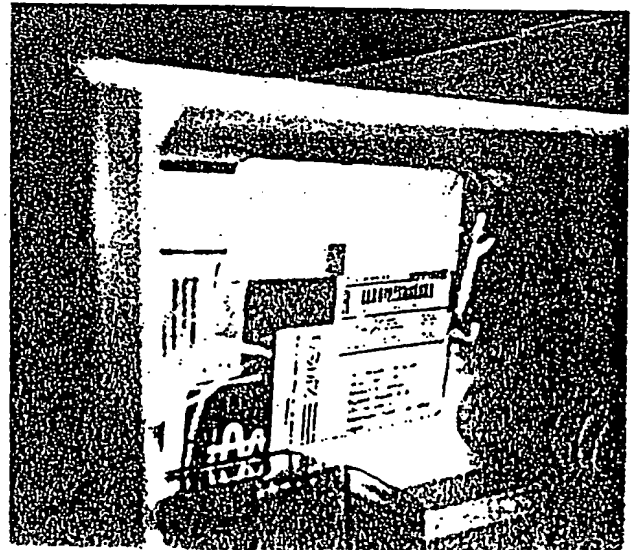
EX-14 →

EX-12 →

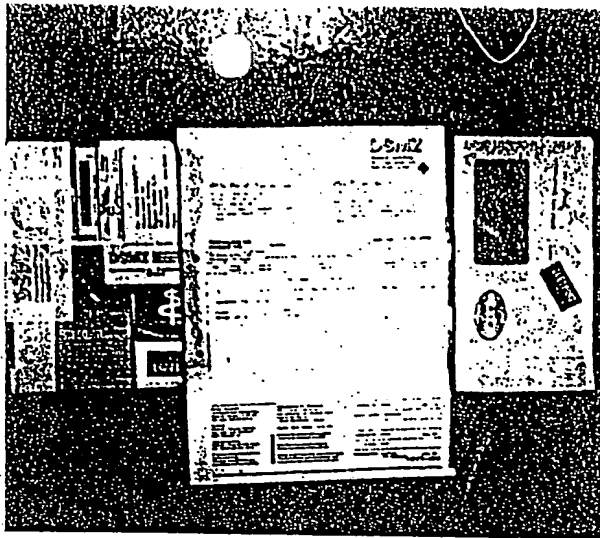
000811  
DSM 4025 stock in refrigerator  
Bldg. 27/Rm 54X

Declaration SM 1  
EX 10 ~ 18

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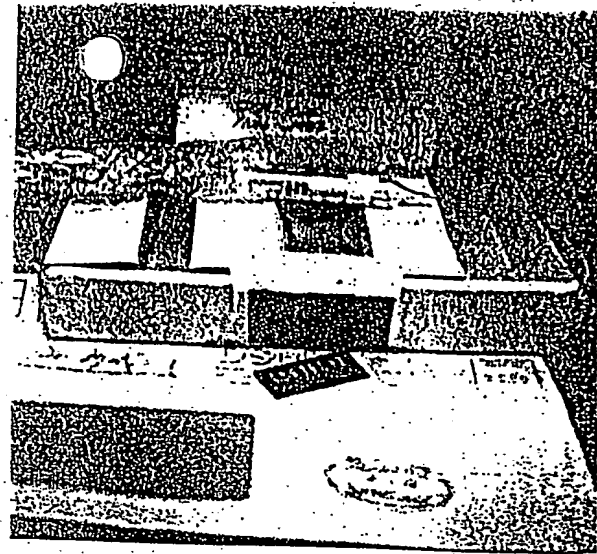






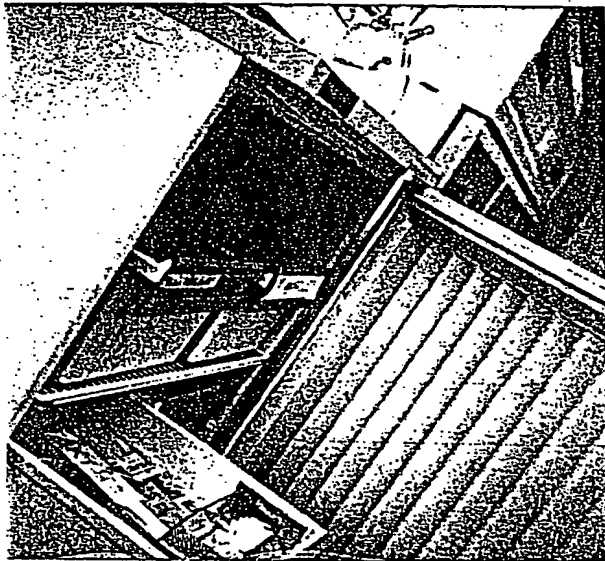
DC SM 1  
EX-10

June 13, 2000 Su



DC SM 1  
EX-11

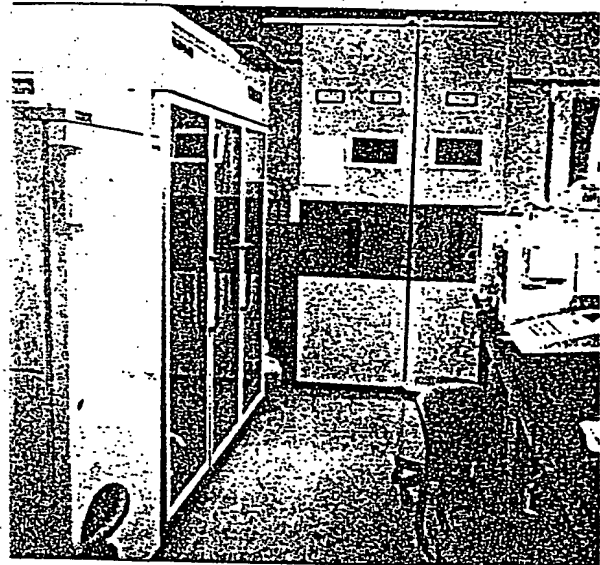
June 13, 2000 Su



000811  
DSM 4025 stock in refrigerator  
Bldg. 27/Rm 524

EX-13 ↑

EX-14 →



000811  
DSM 4025 stock in refrigerator  
Bldg. 27/Rm 524

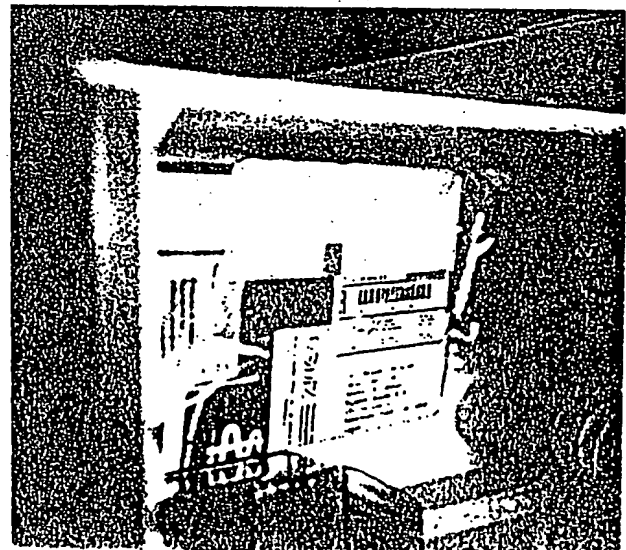
EX-12

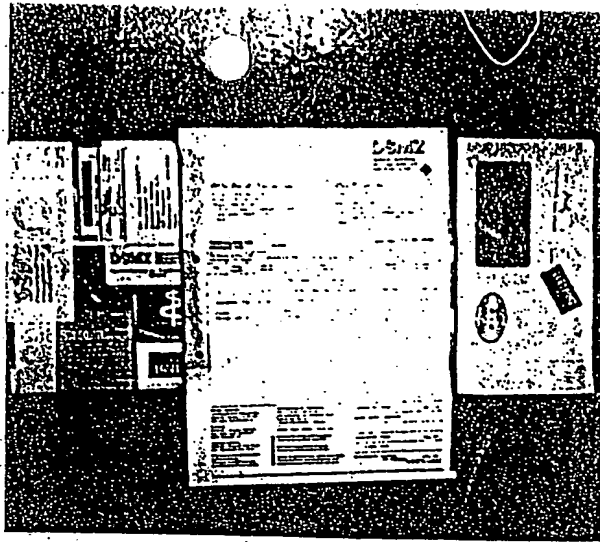
000811  
DSM 4025 stock in refrigerator  
Bldg. 27/Rm 524

Declaration SM 1

Rx 10 ~ 18

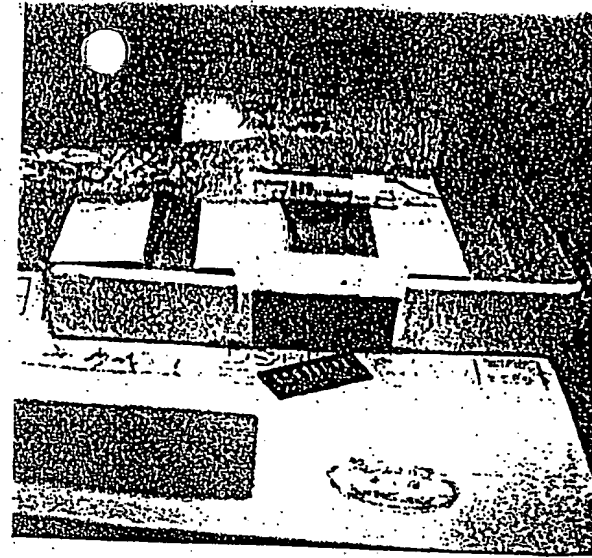
25/70





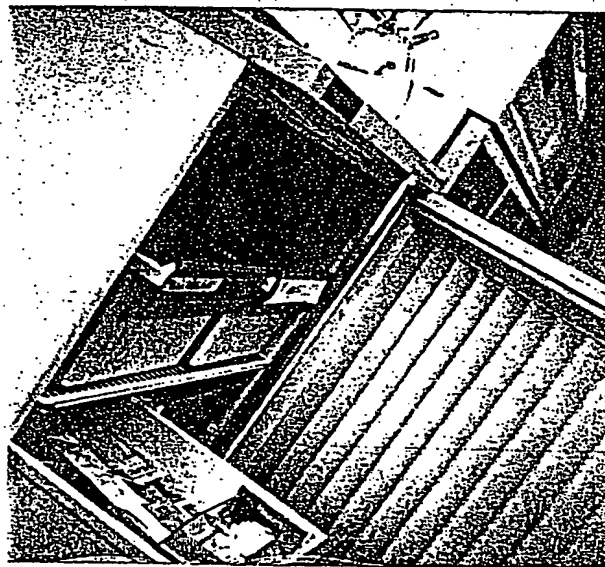
De SM /  
Ex-10

June 13, 1980 SM



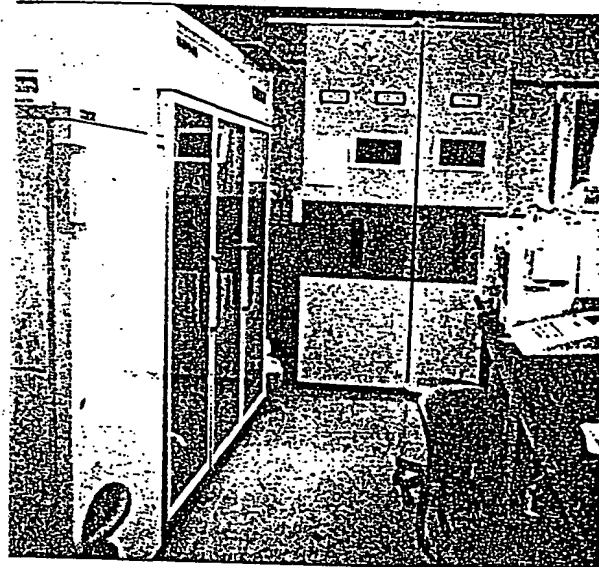
De SM /  
Ex-11

June 13, 1980 SM



000811  
DSM 4025 stock in refrigerator  
Bldg. 27/Rm 524

Ex-13 ↑



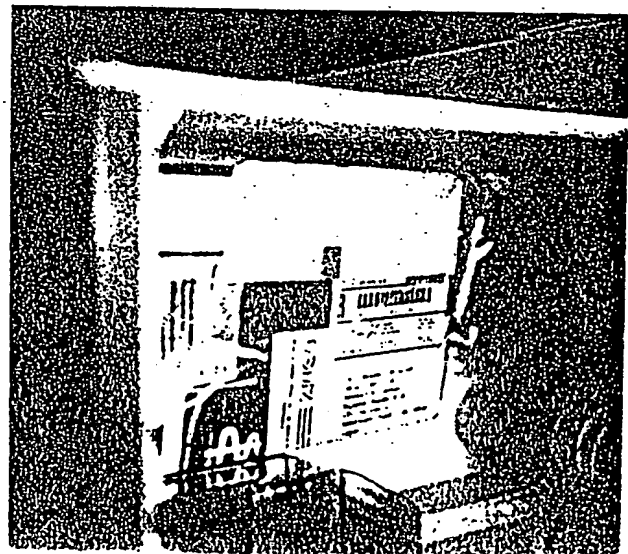
000811  
DSM 4025 stock in refrigerator  
Bldg. 27/Rm 524

Ex-14 →

000811  
DSM 4025 stock in refrigerator  
Bldg. 27/Rm 524  
Ex-12

Declaration SM /  
Ex 10 ~ 18

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Shinjoh, Masako (NRRC~Tokyo)

差出人: Shinjoh, Masako (NRRC~Tokyo)  
送信日時: 2000年8月11日金曜日 午後 3:53  
宛先: 'Sales@sawady.com'  
CC: Itoh, Naoki (CPO~Tokyo)  
件名: PCR-sequencing 依頼

Dec SM/

Ex15

間下さん

いつもお世話になります。

今回の、sequencingもよろしくお願いいたします。

注文の詳細は、弊社伊藤がお伝えしましたように、来週水曜日、8月16日に材料とともにクロネコ宅急便で、17日午前到着指定でおくります。

今回は、支払に係る、こちらの注文番号をお伝えいたします。  
注文番号: W0005031

それでは、解析の方、よろしくお願いいたします。

新城雅子

日本ロシュ研究所

所属: 応用微生物部

氏名: 新城雅子

住所: 鎌倉市梶原200

TEL: 0467-47-2226

PAX: 0467-45-6812

[T3] E-mail from Dr. Shinjoh to Mr. Mashita dated Aug. 11, 2000

From: Shinjoh, Masako  
Date: August 11, 2000 3:53 pm  
To: [Sales@sawady.com](mailto:Sales@sawady.com)  
cc: Itoh, Naoki {CPO~Tokyo}  
Subject: PCR-sequencing order

Dear Mr. Mashita,

Thank you for your usual service.

I'd like to ask you this sequencing request.

The details of this order and our sample will be sent next Wednesday, Aug. 16, as Mr. Itoh has already let you know via KORONEKO-TAKKYUBIN to arrive to your site in the morning of Aug. 17.

I inform our order number relating the payment;  
order number: W0005031.

Could you please perform the analysis.

Best regards,

Masako Shinjoh

NRRC, Applied Microbiology, Masako Shinjoh,

TEL: 0467047-2226 FAX: 0467-45-6812

*Declaration SM/  
Ex-16*

*27/70*



8  
[T1] Declaration SM 1<sup>st</sup> Exhibit 10; Takkyubin slip

Receiver: Address; Dai-ichi Ikebukuro White Building 1F  
2-9-9, Minami-Ikebukuro, Toshima-ku, Tokyo, 171

Phone: 03-3988-4633

Name: Mr. Mashita, Sawady Technology

Sender

Address; Applied Microbiology, Nippon Roche Research Center, 200  
Kajiwara Kamakura, Kanagawa.

Name: Masako Shinjoh

Item: Sample

(Unfortunately, copy of this slip was taken before shipping. So, no date on the slip)

Declaration SM <sup>1</sup> 2-12

28/70